



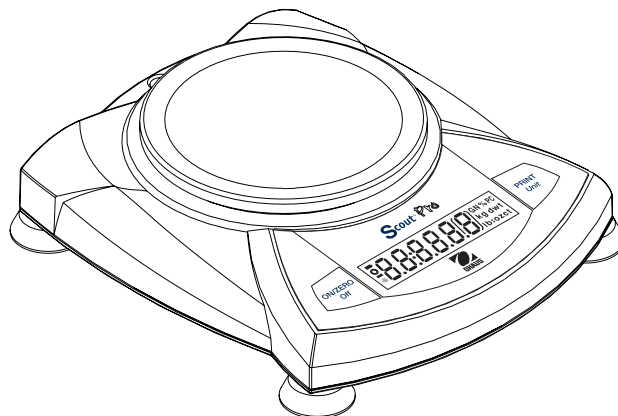
**Scout® *Pro* Balance  
Instruction Manual**

**Balanza Scout® *Pro*  
Manual de instrucciones**

**Balance Scout® *Pro*  
Manuel d'instruction**

**Scout® *Pro*-Waage  
Bedienungsanleitung**

**Bilancia Scout® *Pro*  
Manuale d'istruzioni**





This product conforms to the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.  
The complete Declaration of Conformity is available from Ohaus Corporation.

Este producto está en conformidad con la Directriz EMC 89/336/EEC y con la Directriz para Bajo Voltaje 73/23/EEC.  
La Declaración de Conformidad completa está disponible a través de Ohaus Corporation.

Ce produit est conforme à la directive EMC 89/336/EEC et à la directive de basse tension 73/23/EEC.  
Vous pouvez obtenir une déclaration complète de la conformité auprès de Ohaus Corporation.

Dieses Produkt entspricht der EMC-Richtlinie 89/336/EEC und der Niederspannungsrichtlinie 73/23/EEC.

Die vollständige Konformitätserklärung ist bei der Ohaus Corporation erhältlich.

Questo prodotto è conforme alla direttiva EMC 89/336/CEE e alla Direttiva Bassa Tensione 73/23/CEE.  
La dichiarazione di conformità completa è disponibile presso gli uffici della Ohaus Corporation.

**FCC NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**CANADIAN NOTE:**

This class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



AS/NZS4251.1 AS/NZS4252.1 Emission and Immunity

13123

### ISO 9001 Registration

In 1994, Ohaus Corporation, USA, was awarded a certificate of registration to ISO 9001 by Bureau Veritus Quality International (BVQI), confirming that the Ohaus quality management system is compliant with the ISO 9001 standard's requirements. On May 15, 2003, Ohaus Corporation, USA, was re-registered to the ISO 9001:2000 standard.

### Registro ISO 9001

En 1994, Bureau Veritus Quality International (BVQI) le otorgó a Ohaus Corporation, EE.UU., un certificado de registro ISO 9001 el cual confirma que el sistema administrativo de calidad de Ohaus cumple con los requerimientos del estándar ISO 9001. En mayo 15 del 2003, Ohaus Corporation, EE.UU., fue registrada nuevamente al estándar ISO 9001:2000.

### Enregistrement ISO 9001

En 1994, le Bureau Veritus Quality International (BVQI) a octroyé la certification d'enregistrement ISO 9001 à Ohaus Corporation, États-Unis d'Amérique, confirmant que le système de gestion de la qualité Ohaus était conforme aux conditions normalisées de l'ISO 9001. Le 15 mai 2003, Ohaus Corporation, États-Unis d'Amérique, a été ré-enregistrée à la norme ISO 9001:2000.

### Registrierung nach ISO 9001

Im Jahr 1994 wurde der Ohaus Corporation, USA, ein Zertifikat der Registrierung nach ISO 9001 vom Bureau Veritus Quality International (BVQI) verliehen, in dem bestätigt wird, dass das Ohaus-Qualitätsmanagementsystem den Anforderungen der Norm ISO 9001 entspricht. Am 15. Mai 2003 wurde die Ohaus Corporation, USA, gemäß der Norm ISO 9001:2000 neu registriert.

### Registrazione ISO 9001

Nel 1994, Ohaus Corporation, USA, ha ricevuto il certificato di registrazione ISO 9001 da Bureau Veritus Quality International (BVQI), come conferma che il sistema di gestione della qualità Ohaus risponde alle caratteristiche standard di ISO 9001. Il 15 Maggio 2003, Ohaus Corporation, USA, è stata reregistrata per la normativa ISO 9001:2000.

### Disposal



In conformance with the European Directive 2002/96 EC on Waste Electrical and Electronic Equipment (WEEE) this device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements.

Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment.

If you have any questions, please contact the responsible authority or the distributor from which you purchased this device.

Should this device be passed on to other parties (for private or professional use), the content of this regulation must also be related.

Thank you for your contribution to environmental protection.

### Eliminación de residuos



De conformidad con las exigencias de la directiva europea 2002/96 CE sobre residuos de aparatos eléctricos y electrónicos (RAEE), este equipo no puede eliminarse como basura doméstica. Esta prohibición es asimismo válida para los países que no pertenecen a la UE cuyas normativas nacionales en vigor así lo reflejan.

Elimine este producto, según las disposiciones locales, mediante el sistema de recogida selectiva de aparatos eléctricos y electrónicos.

Si tiene alguna pregunta al respecto, diríjase a las autoridades responsables o al distribuidor que le proporcionó el equipo.

Si transfiere este equipo (por ejemplo, para la continuación de su uso con fines privados, comerciales o industriales), deberá transferir con él esta disposición.

Muchas gracias por su contribución a la conservación medioambiental.



### Elimination

En conformité avec les exigences de la directive européenne 2002/96 CE relative aux déchets d'équipements électriques et électroniques (DEEE), cet appareil ne doit pas être éliminé avec les déchets ménagers. Logiquement, ceci est aussi valable pour les pays en dehors de l'UE conformément aux réglementations nationales en vigueur.

Veillez éliminer cet appareil conformément aux prescriptions locales dans un conteneur séparé pour appareils électriques et électroniques.

Pour toute question, adressez-vous aux autorités compétentes ou au revendeur chez qui vous avez acheté cet appareil.

En cas de remise de cet appareil (p. ex. pour une utilisation privée ou artisanale/industrielle), cette prescription doit être transmise en substance.

Merci pour votre contribution à la protection de l'environnement.



### Entsorgung

In Übereinstimmung mit den Anforderungen der Europäischen Richtlinie 2002/96 EG über Elektro- und Elektronik-Altgeräte (WEEE) darf dieses Gerät nicht mit dem Hausmüll entsorgt werden. Sinngemäss gilt dies auch für Länder ausserhalb der EU entsprechend den geltenden nationalen Regelungen.

Bitte entsorgen Sie dieses Produkt gemäss den örtlichen Bestimmungen in einer getrennten Sammlung für Elektro- und Elektronikgeräte.

Bei allfälligen Fragen wenden Sie sich bitte an die zuständige Behörde oder den Händler, bei dem Sie dieses Gerät erworben haben.

Bei Weitergabe dieses Gerätes (z.B. für private oder gewerbliche/industrielle Weiternutzung) ist diese Bestimmung sinngemäss weiterzugeben.

Vielen Dank für Ihren Beitrag zum Schutz der Umwelt.



### Smaltimento

In conformità a quanto stabilito dalla Direttiva Europea 2002/96 CE in materia di apparecchi elettrici ed elettronici (RAEE), questo strumento non può essere smaltito come i normali rifiuti. Tale presupposto resta valido anche per i Paesi al di fuori dei confini della UE, conformemente alle norme nazionali in vigore.

Si prega quindi di smaltire questo prodotto separatamente e in modo specifico secondo le disposizioni locali relative alle apparecchiature elettriche ed elettroniche.

Per qualsiasi chiarimento, rivolgersi agli enti preposti o al rivenditore dell'apparecchiatura stessa.

In caso di cessione dello strumento (per es. per ulteriore utilizzo privato o aziendale/industriale), si prega di comunicare anche questa disposizione.

Si ringrazia per il contributo alla tutela dell'ambiente.

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## 1. INTRODUCTION

The Scout *Pro* offers parts counting with auto optimization, display hold, totalize, % weighing and specific gravity mode. Models are available with ranges from 120g to 6000g.

Scout *Pro* standard features include:

- Battery or AC operation (AC adapter included)
- Density/Specific Gravity determination (certain models)
- Integral security bracket
- Programmable auto shut-off
- Span calibration masses included on certain models
- Optional USB or RS232 interface available

### Safety Precautions

Please follow the safety precautions as listed:

#### CAUTION:



- Do not operate the balance around corrosive fumes.
- Use only the adapter provided with the balance.
- Do not try to service the Scout *Pro* balance.
- Before plugging in the balance, make sure that the voltage rating of the power adapter and the AC supply voltage match.

## 2. INSTALLATION

### Unpacking

Inform your Ohaus dealer if parts are missing.

Your Scout *Pro* package contains:

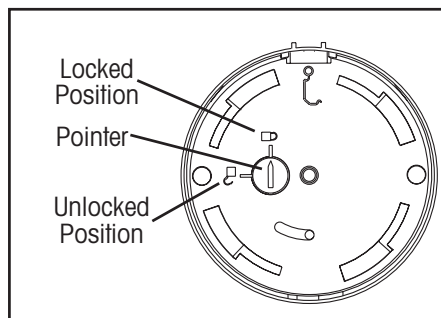
- Scout *Pro* Balance
- Warranty card
- AC Power Adapter
- Platform
- Instruction Manual
- Calibration Masses (on certain models)
- Draft shield (120g Model only)

Store the packaging material for future transport.

## Installing Components

### Releasing the Shipping Lock

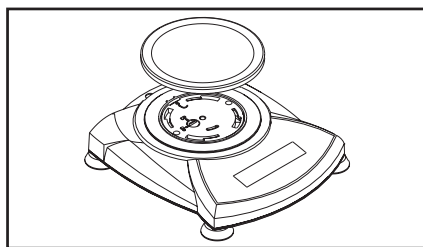
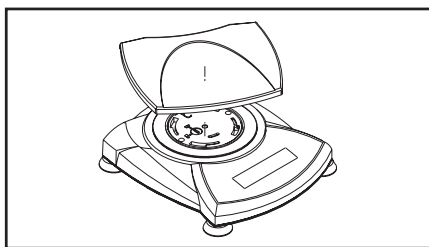
On top of the balance, turn the pointer 90 degrees counter-clockwise to unlock.



Releasing the Shipping lock.

### Platform Installation

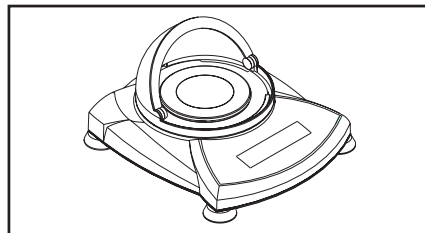
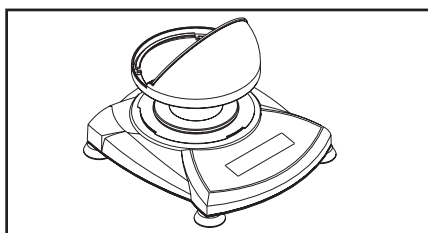
Balances with a rectangular platform are placed into the subplatform as shown and rotated counter-clockwise until it locks. Round platforms are placed straight down on subplatform.



Platform Installations.

### Draft Shield Installation (120g Model)

Position the keyed draft shield on top of the balance and rotate it until it faces forward.



Installing Draft Shield.

### Security Bracket

A security bracket is provided at the rear of the balance allowing the balance to be secured by an optional cable and lock accessory.

### Selecting the Location

For best performance, the Scout *Pro* balance should be used in a clean, stable environment. Do not use the balance in environments with excessive drafts, with rapid temperature changes, near magnetic fields or near equipment that generates magnetic fields, or vibrations.

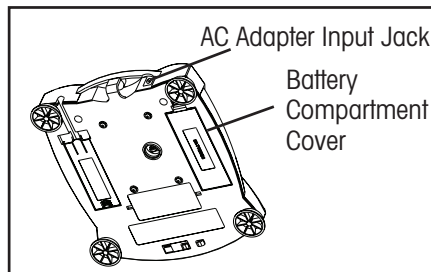
### Connecting Power

#### Battery Installation

Install the Four "AA" batteries with polarity as shown in the battery compartment.

#### AC Adapter Installation

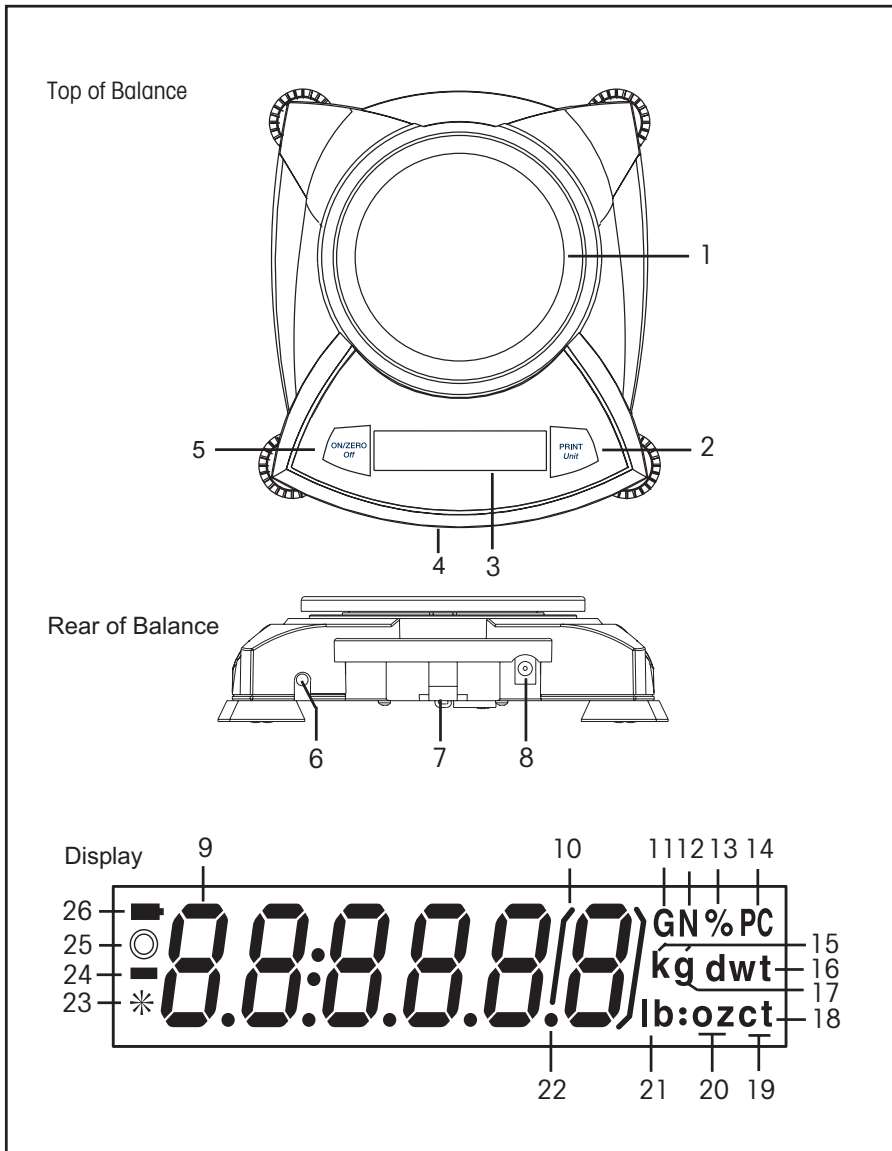
Plug the AC adapter into the jack at the rear of balance.



Battery and AC Power Connections

### 3. OPERATION

#### Overview of Controls and Display Functions



No.	Designation	Function
1.	Platform	Weighing platform, either round or rectangular.
2.	PRINT <i>Unit</i> button	Prints data, scrolls through units, steps through menu options.
3.	Display	LCD display with icons.
4.	Lockswitch	Locks certain menu functions, located under balance.
5.	ON/ZERO <i>Off</i> button	On/Off, Zero, enters menu, accepts menu settings.
6.	USB or RS232 port	Optional kit for either RS232 or operation USB.
7.	Security Bracket	Part of balance for optional external cable and lock.
8.	Power Input Jack	Connector for AC adapter.
9.	7-segment LCD	Part of 6-digit LCD display.
10.	Brackets	Auxilliary indication.
11.	G	Indicates specific gravity
12.	N	Indicates Newtons.
13.	%	Indicates percent weighing.
14.	PC	Indicates pieces during parts counting.
15.	kg	Indicates weight in kilograms.
16.	dwt	(not used)
17.	g	Indicates weight in grams.
18/20.	oz t	(not used)
18.	t	Indicates totalize mode
19.	ct	(not used)
20.	oz	Indicates weight in ounces.
21/20.	lb:oz	(not used)
21.	lb	Indicates weight in pounds. (certain models)
22.	•	Decimal point.
23	*	Stability indicator, indicates stable weight and Display Hold when flashing.
24.	-	Negative sign.
25.	○	(not used)
26.	■	Battery indicator flashes when battery is down to approximately 20 minutes of power remaining.

NOTE: Unit measurement varies by model.

### Button Functions

Two switches provide the necessary functions to access a given menu, select a function and to turn it on or off. Functions are listed as follows:



#### **ON/ZERO Off** Button

**Primary Function (ON/ZERO)**- Turns on balance. If balance is on, zeros the display.

**Secondary Function (Off)**- Turns balance off, **OFF** will be displayed after button is held for 3 seconds. In Display Hold or Totalize mode, a long press exits the mode without turning the balance off.

**Menu Function**- An extended long press (>5 seconds) during power up will cause the balance to enter the Menu mode. A short press is used to accept a setting on a display.

#### **PRINT Unit** Button


**Primary Function (PRINT)**- Sends print command to interface port. If Display Hold or Totalize mode is active, a short press will enter that mode.

**Secondary Function (Unit)**- Press and hold scrolls through units. Release on desired unit.


**Menu Function**- Will bypass setting shown on display.


Symbols Used for Operation of the Balance


Symbols are used to simplify the setup and operation of the balance. A description of each symbol follows:



 Press


The clock symbols adjacent to the finger symbol indicates the length of time to press a button.

 1 second momentary press.


 3 second extended press.

 5 second extended press.

  Panel control buttons used to initiate actions.

 Displays are shown as they actually appear on the balance. A model with 200g capacity was used for the displays shown in this manual.

••• Indicates scrolling to a final display. The first and last displays are shown.

 Indicates advances to next display.

Turning the Balance On

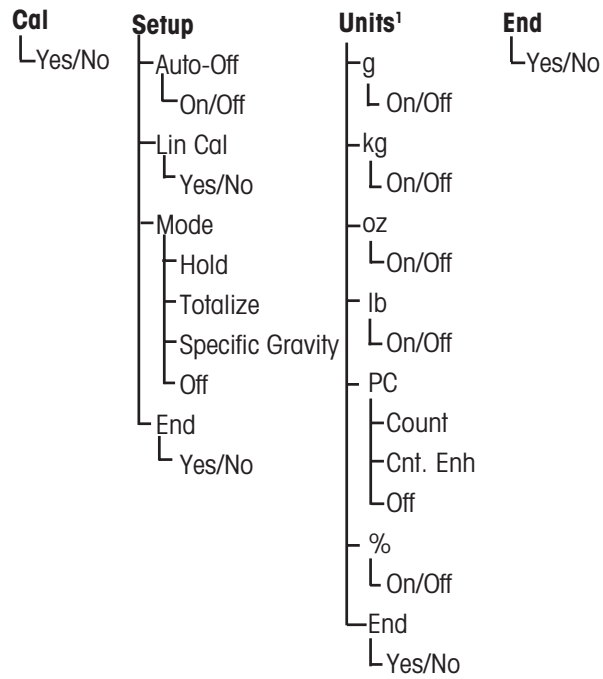


Turning the Balance Off



## Navigating the Menus

### Menu Structure



#### NOTES:

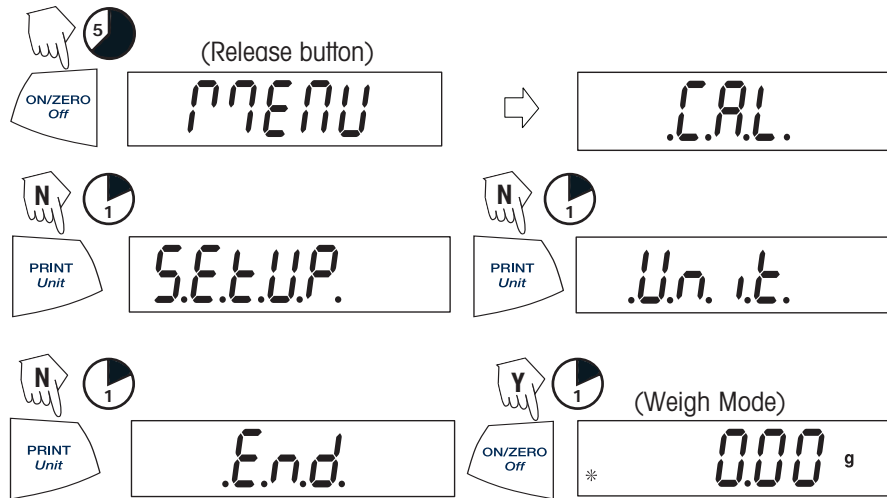
1. Refer to specification table for available units.

Entering the Menu

There are four main menus in the balance: **.C.A.L.**, **.S.E.T.U.P.**, **.U.N.I.T.S.** and **.E.N.D.**

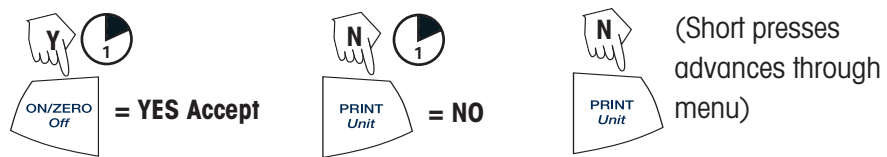
**Start with the balance off and the Lock Switch off** (see page 23).

The sequence is shown below.



Accepting / Bypassing an Individual Menu Item

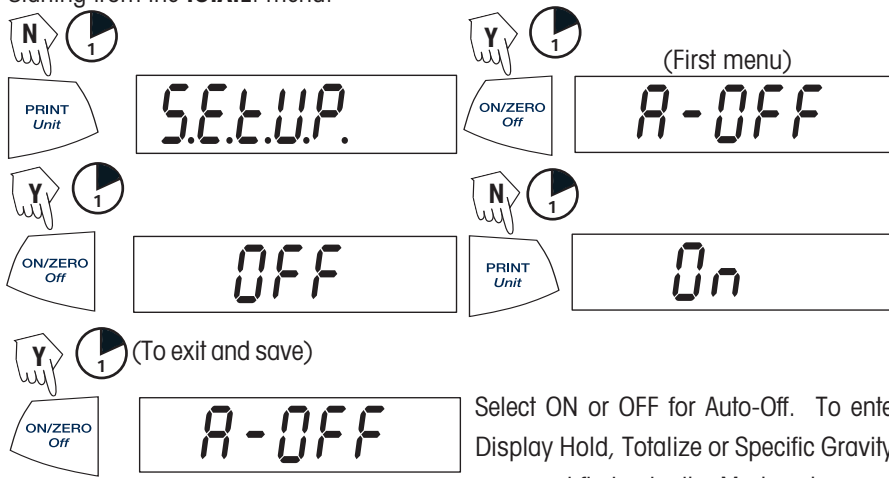
Start with menu item displayed.



Entering the .S.E.T.U.P. Menu

The **.S.E.T.U.P.** menu contains Auto-Off, Linearity Calibration, Mode (Display Hold, Totalize, Specific Gravity) and END. Auto-Off can be turned on or off. Display Hold, and Totalize require entering the Mode submenu.

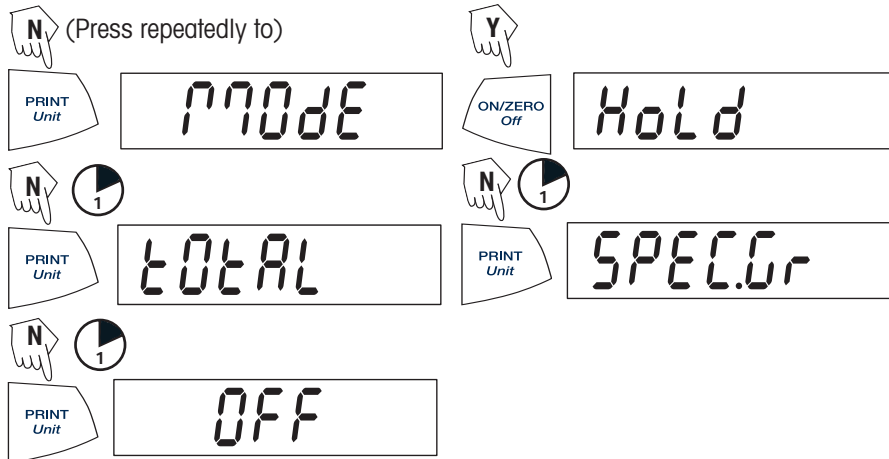
Starting from the **.C.A.L.** menu.



Turning Display Hold, Totalize or Specific Gravity Mode On

**NOTE:** Only one mode can be active at one time.

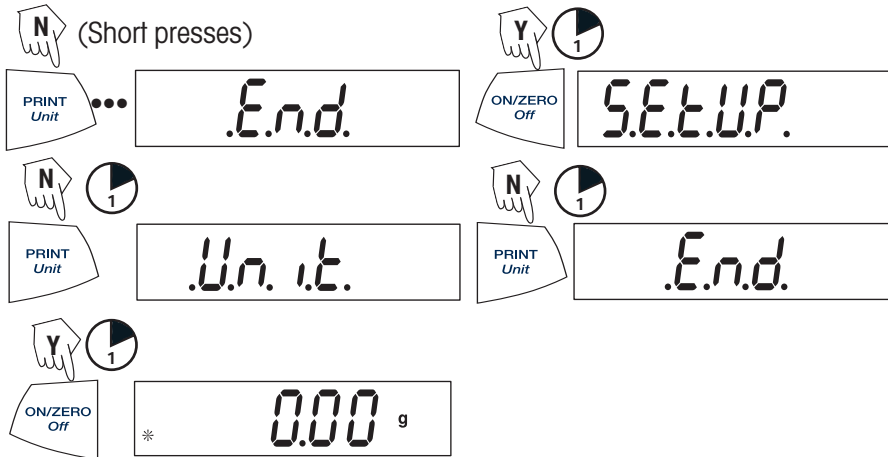
Start at the **.S.E.T.U.P.** menu.



Press YES to desired mode, then continue.

Exiting the .S.E.T.U.P. Menu

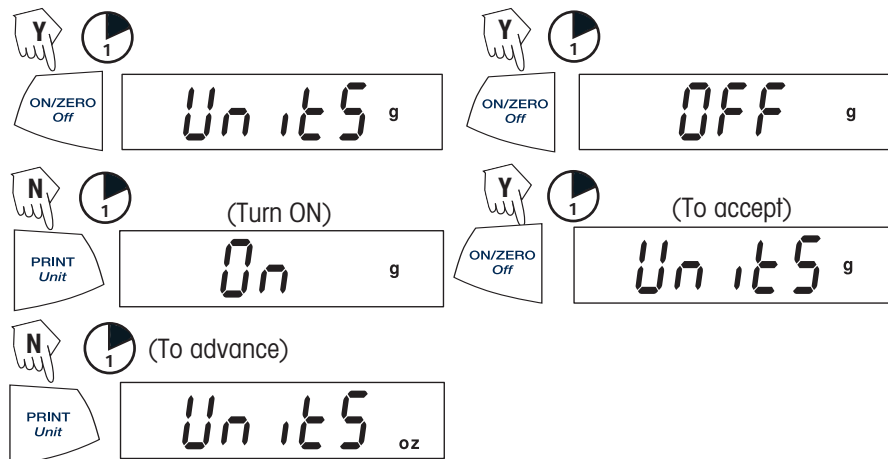
Select ON/OFF or YES/NO to desired menu items, proceed to .E.N.D. menu.



Entering the .U.N.I.T. Menu

The .U.N.I.T. menu contains units of measure, PC (parts counting), % weighing and END. Units vary with the model type. Determine which units are to be turned on or off.

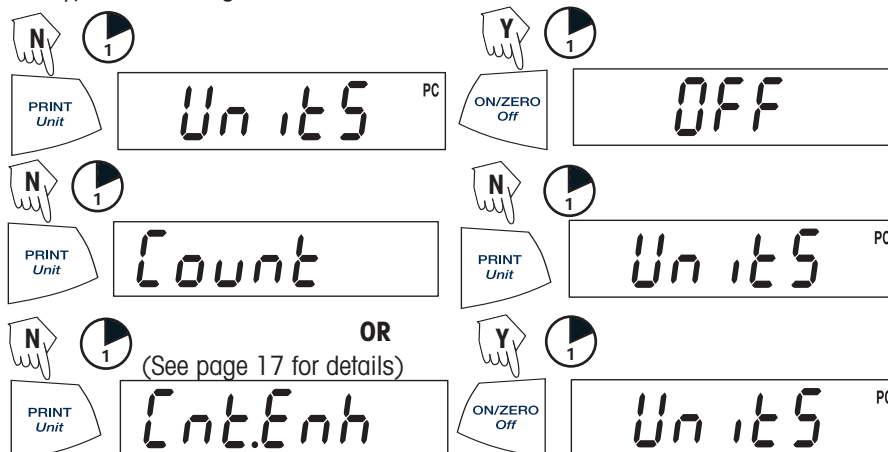
Start in the .U.N.I.T. menu. Select either ON or OFF for each unit.



**NOTE:** Repeated presses of **PRINT Unit** button will go through all units, you then may select ON or OFF. Parts Counting is slightly different.

### Parts Counting

Two types of counting modes are available, standard or enhanced.



### Exiting the .U.N.I.T. Menu

Use the same procedure as Exiting the .S.E.T.U.P. Menu.

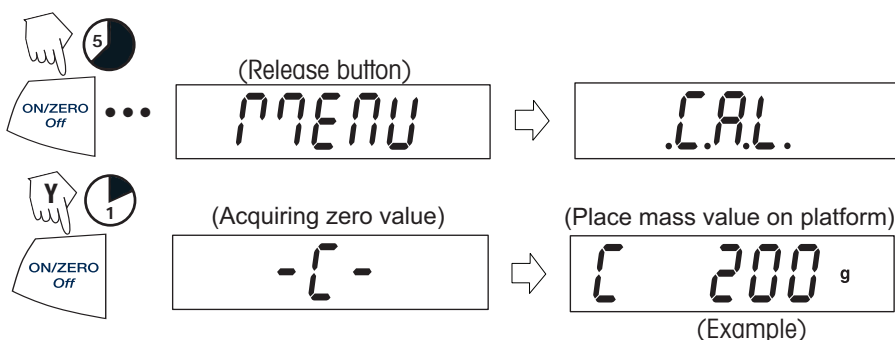
### Calibration

#### Span Calibration

Span calibration uses two calibration points, zero and a specified calibration weight. Before beginning calibration, make sure the Lock Switch is off. Clear the platform.

**NOTE:** Value of calibration mass depends on capacity of balance. After calibration, the balance returns to the currently selected weigh mode.

Start with the balance OFF.





**Applications**

Scout Pro applications include: Weighing, Parts Counting, Percent Weighing, Display Hold, Totalize and Specific Gravity.

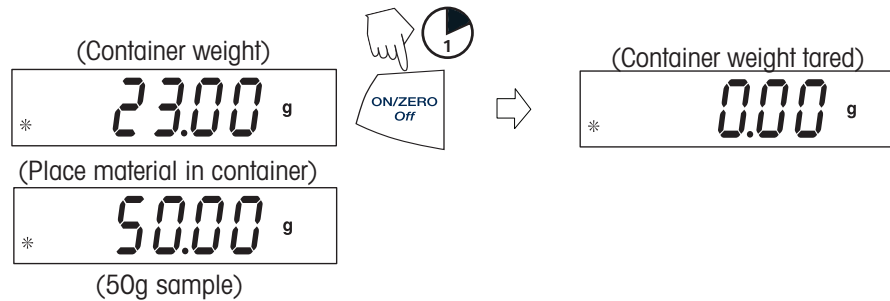
Weighing

Start with the balance on.



**Weighing with Tare**

Taring zeros the container weight. With the balance on, place an empty container on the platform. (Display example indicates a container weight of 23g.)



**NOTE:** Removing the container and material from the platform will cause the balance to display the container's weight as a negative number. The tared weight remains until **ON/ZERO Off** button is pressed again or the balance is turned off.

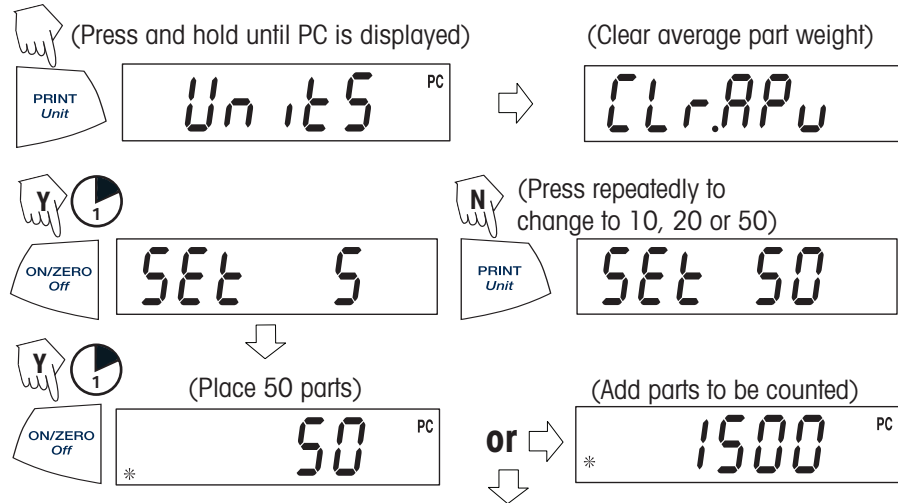
(Remove container with material)



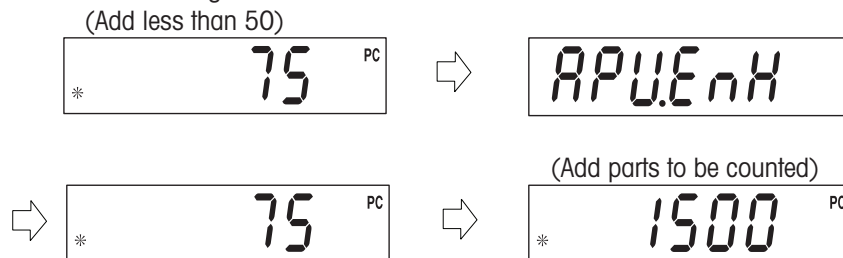
Parts Counting

Parts Counting is *enabled only* when PC is turned ON in the **.U.N.I.T.** menu. In parts counting mode, there are two modes of parts counting, normal and enhanced. In normal parts counting, the balance determines the quantity based on the average weight of the parts in the original reference quantity. In the enhanced mode, additional parts can be added to the platform equal to or less than the original number. The additional reference quantity produces a more accurate average part weight.

Standard Parts Counting



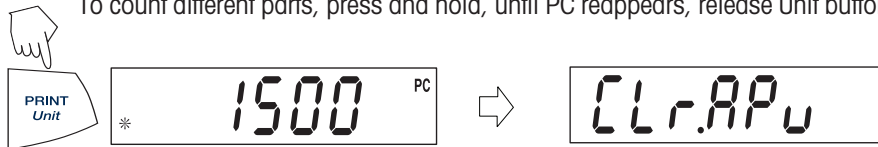
Enhanced Parts Counting



**NOTE:** The preceding procedure for enhanced counting can be repeated as many times as necessary providing the quantity added is less than the original entry.

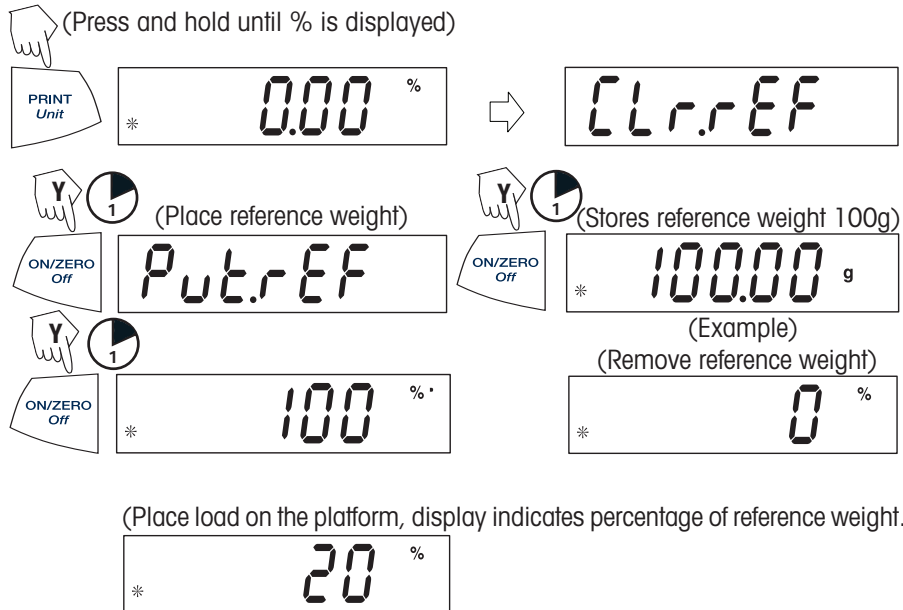
Parts Counting (Cont.)

To count different parts, press and hold, until PC reappears, release Unit button.




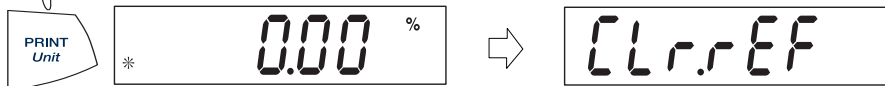
Percent Weighing

Percent Weighing is *enabled only* when Percent is turned ON in the **.U.N.I.T.** menu. Percent weighing permits placing a reference weight on the balance, then viewing other loads as a percentage of the reference. The reference weight equals 100%. Start in the weighing mode and zero the display.




### Establishing a New Reference Weight

 Press and hold until % on the display reappears, then release.



Repeat above procedure for new a reference weight.

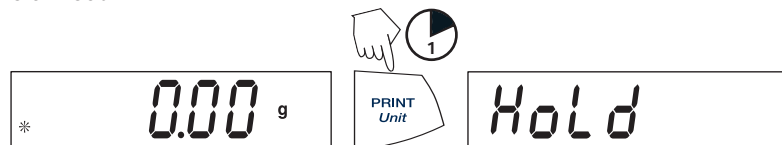
### Exiting Percent Weighing

 Press and hold until desired unit is displayed.



### Display-Hold

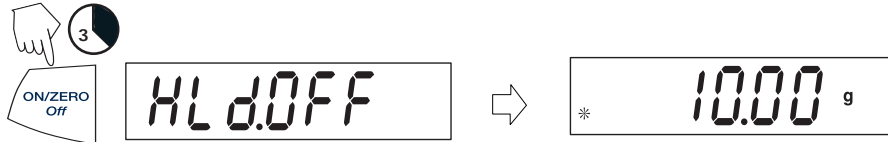
Display-Hold is *enabled only* when Hold is turned ON in the Mode submenu in the **.S.E.T.U.P.** menu. Display-Hold mode captures and stores the highest stable value. When displayed, the stable icon will blink. **NOTE:** Units cannot be changed when in Display-Hold mode.



Place item(s) on platform.



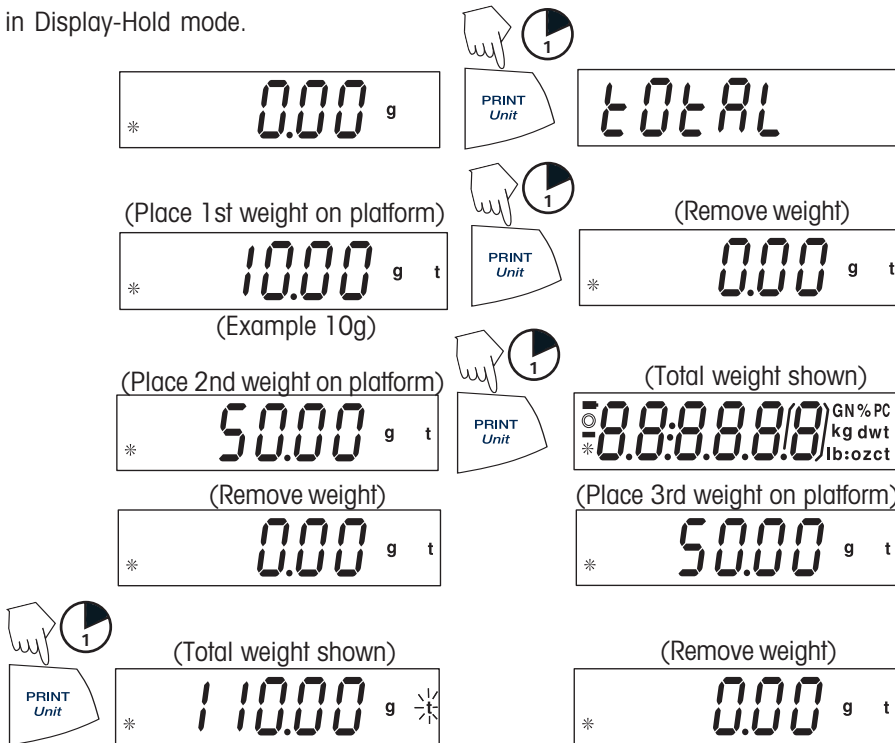
Exiting Display Hold



To return to display hold, repeat above procedure.

Totalize

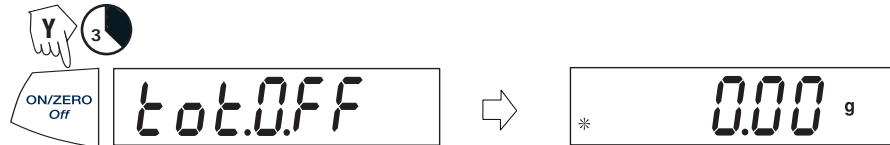
Totalize is *enabled only* when Total is turned ON in the Mode submenu in the **.S.E.T.U.P.** menu. Totalize allows storage of a series of weight measurements. Totalize mode has been initiated when 'Y' and the current unit, i.e. (g) is displayed. When totalized weight is shown, the 'Y' indicator will blink. **NOTE:** Units cannot be changed when in Display-Hold mode.



Total weight will remain on the display until weight is removed. The total weight remains in memory. Total is limited to 999999.

Clear/Exit Totalize

Performing this next step will erase all totalized memory.

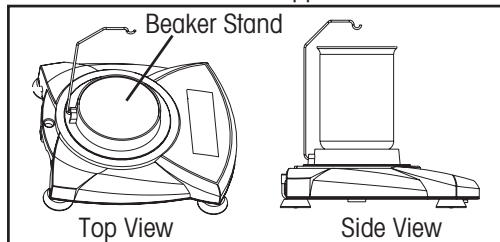


Specific Gravity with Accessory Kit

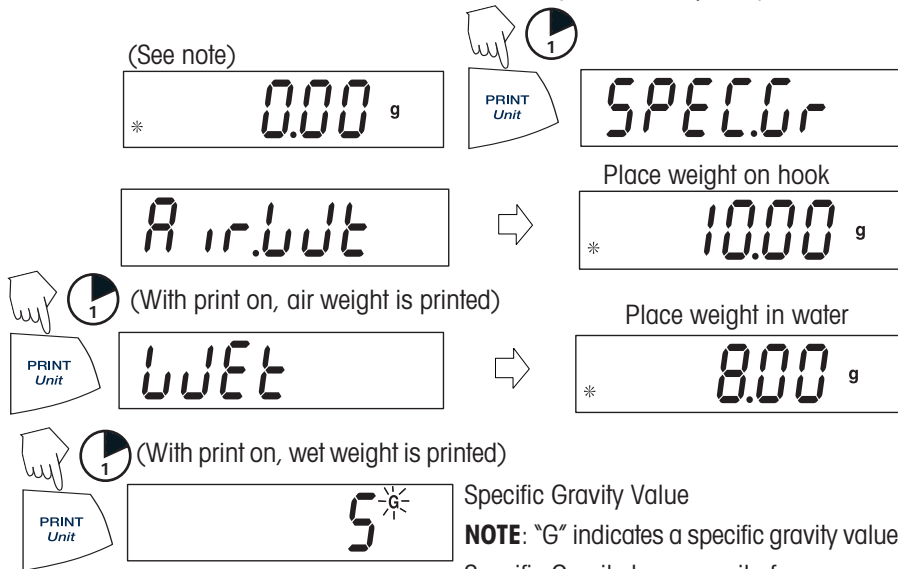
Specific gravity is *enabled only* when SPEC.Gr is turned ON in the Mode submenu in the .S.E.T.U.P. menu. The Specific Gravity mode allows calculating the specific gravity of a sample. **SPEC.GR mode must be turned ON before removing platform and installing hook.** Prepare the balance as shown. Remove the balance platform, insert the hook and install the beaker stand. Beaker is not supplied.

The sample is weighed in air suspended from the hook and then weighed in water. The formula is

$$\frac{\text{dry wt}}{\text{dry wt} - \text{wet wt}}$$



Specific Gravity Setups



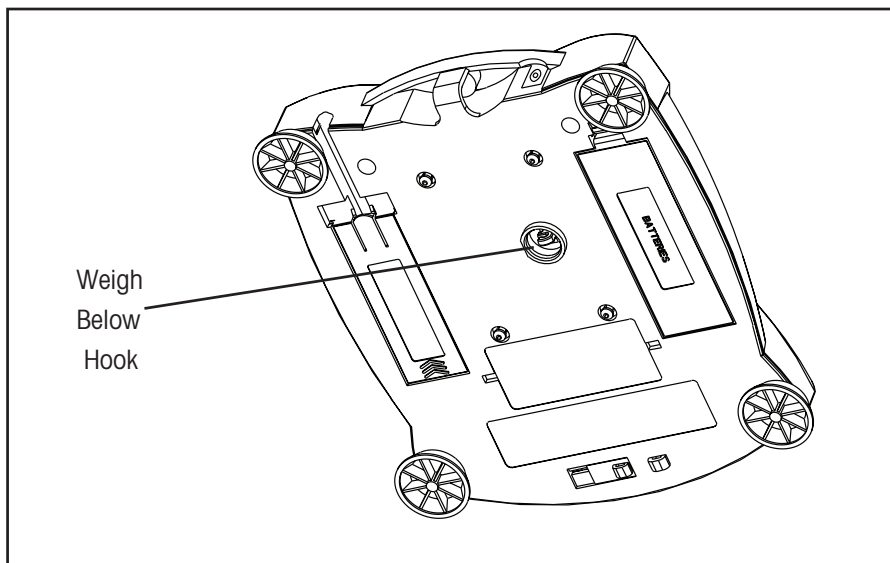
Clear/Exit Specific Gravity



**Additional Features**

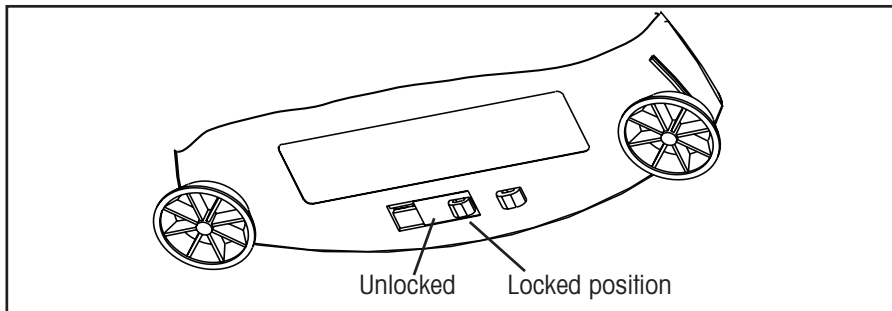
Weigh Below

Scout Pro permits below balance weighing for applications such as specific gravity/ density determination. The balance is normally elevated, supported on all feet and leveled. A fine wire is attached to the built-in hook at the bottom of the balance (see illustration).



Lock Switch

The Lock Switch is used to lock out the menu mode preventing unauthorized changes. To lock the menus, position the Lock Switch next to the tab on the bottom of the balance as shown.



Lock Switch

## 4. MAINTENANCE

### Cleaning

To ensure proper balance operation, keep the housing and platform clean. If necessary, a cloth dampened with a mild detergent may be used. Check under the platform for debris and remove. Keep calibration masses in a safe dry place. Unplug the AC Adapter when not in use. For long term storage, remove the batteries.

### Troubleshooting

SYMPTOM	PROBABLE CAUSE	REMEDY
No display.	1. Power Adapter not connected. 2. Batteries are exhausted.	1. Connect AC Adapter. 2. Replace batteries.
Battery Indicator is flashing.	Batteries are weak.	Replace batteries.
Incorrect weight reading.	1. Balance out of calibration. 2. Balance was not rezeroed before weighing.	1. Calibrate the balance. 2. Press the <b>ON/ZERO Off</b> button with no weight on the platform, then weigh item.
Calibration procedures do not work.	Incorrect calibration masses being used.	1. Use correct masses. 2. See error codes note ERR4.
Unable to display weight in a particular weighing unit.	1. Weighing unit not activated in menu. 2. Mode prevents unit change.	1. Use Units menu to set desired units ON. 2. Exit Hold or Totalize mode.
Balance readings unstable.	Balance location may have drafts from air conditioning vents or vibration from other appliances nearby affecting operation.	Either move or shield the balance from external air currents or vibration.
Error code is displayed.	Various internal and external problems	Review error code table and take appropriate action.

## Error Codes List

When internal and some external problems occur with the balance, the internal software will display messages as error codes. Explanations are given for possible problems. Try remedies in order indicated.

### Error Codes

- Err 1 chEct** Invalid checksum data  
a) Cycle balance ON/OFF,  
b) Return balance for servicing.
- Err 2 LoAd** Overload (>cap+90d) or Underload  
a) Remove load,  
b) Check shipping lock,  
c) Recalibrate.
- Err 4 WEIght** Incorrect calibration weight  
a) Use correct calibration weights,  
b) Check environmental conditions.
- Err 5 999999** Displayed value >99999  
a) Exit application,  
b) Rezero balance.
- Err 6 count** Parts counting error - balance exits parts counting  
a) Exit application,  
b) Rezero balance.
- Err 8 FULL** RS232 buffer is full  
a) Cycle ON/OFF,  
b) Check RS-232 settings in balance and computer.
- Err 9 dAtA** Internal data error. The next button press or a 5 second time-out causes the balance to turn off.  
a) Cycle ON/OFF,  
b) Return balance for servicing.

**Accessories**

	<b>Part No.</b>
RS232 Interface Kit (includes cable)	71147376
USB Interface Kit (includes cable)	71147377
Specific Gravity Kit	71147378
Security Device	76288-01
Hard Shell Carrying Case	77256-01
Impact Printer	SF42
Impact Printer Paper 5 pack	78204-01
9-pin to 25-pin SF42 Adapter	80500572
Scoops: Aluminum,	
3.62 x 4.50 x 1.0"/9.20 x 11.34 x 2.54 cm	4590-10
Black anodized, aluminum,	
3.62 x 4.50 x 1.0"/9.20 x 11.34 x 2.54 cm	4590-30
Aluminum,	
1.5 x 2.00 x 0.43"/3.81 x 5.08 x 1.11 cm	5076-00
Gold anodized aluminum,	
2.25 x 3.00 x 0.75"/5.71 x 7.62 x 1.90 cm	5077-00
Calibration Masses:	
See specification table for required masses.	
50g	53054-00
100g	51015-05
200g	51025-06
300g	51035-05
500g	51055-06
1000g	51016-06
2000g	51026-02
AC Adapters:	
120V/60Hz USA	12102320
230V/50Hz Europe	12102321
230V/60Hz Australian	12102323
230V/50Hz UK	12102322
100V/50Hz Japan	12102324
230V/60 Hz China	12104881

## 5. TECHNICAL DATA

### Specifications

Item No.	SPx123	SPx202	SPx402	SPx602	SPx401	SPx601	SPx2001	SPx4001	SPx6001	SPx6000
Capacity (g)	120	200	400	600	400	600	2000	4000	6000	6000
Span Calibration Mass (g)	100	200	200	300	200	300	2000	4000	6000	4000
Linearity Calibration Mass (g)	50	100	200	300	200	300	1000	2000	3000	3000
	100	200	400	600	400	600	2000	4000	6000	6000
Readability (g)	0.001	0.01			0.1				1.0	
Repeatability (Std. dev. (g))	0.003	0.01			0.1				1.0	
Linearity (g)	±0.003	±0.01		±0.02	±0.1			±0.2	±1.0	
Weighing modes	%, Parts Counting - Units, see capacity/readability table									
Tare range	To capacity by subtraction									
Over range capacity	Capacity +90d									
Stabilization time	3 seconds									
Operating temp. range	50° - 104°F / 10° - 40°C									
Power requirements	AC Adapter (supplied) or 4 AA batteries (not included)									
Calibration	digital calibration from keypad									
Display (in/mm)	LCD (0.6 / 15 high digits)									
Pan size (in/mm)	4.7 / 120 diam.					6.5 x 5.6 / 165 x 142				
Dimensions WxHxD (in/mm)	7.5 x 2.2 x 8.3 / 192 x 54 x 210									
Net Weight (lb/kg)	2.0 / 0.9	1.5 / 0.7				1.8 / 0.8				

**Capacity x Readability**

	SPx123	SPx202	SPx402	SPx602	SPx401	SPx601	SPx2001	SPx4001	SPx6001	SPx6000
gram g	120.00 x 0.001	200.00 x 0.01	400.00 x 0.01	600.00 x 0.01	400.0 x 0.1	600.0 x 0.1	2000.0 x 0.1	4000.0 x 0.1	6000.0 x 0.1	6000.0 x 1
ounce oz	4.23290	7.0550	14.1095	21.1645	14.110	21.165	70.550	141.095	211.645	211.65
avoirdupois	x 0.00005	x 0.0005	x 0.0005	x 0.005	x 0.0005	x 0.005	x 0.005	x 0.005	x 0.005	x 0.05
pound lb				1.32280		1.3230	4.4090	8.8185	13.2280	13.230
avoirdupois				x 0.00005		x 0.0005	x 0.0005	x 0.005	x 0.0005	x 0.005
kilogram kg							2.0000 x 0.0001	4.0000 x 0.0001	6.0000 x 0.0001	6.000 x 0.001
newton N	1.17680 x 0.00001	1.9613 x 0.0001	3.9227 x 0.0001	5.8840 x 0.0001	3.923 x 0.001	5.884 x 0.001	19.613 x 0.001	39.227 x 0.001	58.884 x 0.001	58.84 x 0.01

NOTE: SPGxxxx models only contain SI units.

### **LIMITED WARRANTY**

Ohaus products are warranted against defects in materials and workmanship from the date of delivery through the duration of the warranty period. During the warranty period Ohaus will repair, or, at its option, replace any component(s) that proves to be defective at no charge, provided that the product is returned, freight prepaid, to Ohaus.

This warranty does not apply if the product has been damaged by accident or misuse, exposed to radioactive or corrosive materials, has foreign material penetrating to the inside of the product, or as a result of service or modification by other than Ohaus. In lieu of a properly returned warranty registration card, the warranty period shall begin on the date of shipment to the authorized dealer. No other express or implied warranty is given by Ohaus Corporation. Ohaus Corporation shall not be liable for any consequential damages.

As warranty legislation differs from state to state and country to country, please contact Ohaus or your local Ohaus dealer for further details.